Digital Satellite Colour Television

OWNER'S MANUAL

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this information to your dealer when you require service.

Model number :
Serial number :

FOR THE GUARANTEE TERMS & CONDITIONS,
PLEASE REFER TO BACK COVER OF THIS MANUAL

P/NO : 3828VA0172D (PD8TA, 026A TX)
(3828VA0172C, 3840VA0024A/B, 3840VA0016A, 373-026F)

Introduction

Your new television set can receive analogue terrestrial television programmes (TV mode) from broadcasters including the BBC, ITV, CH4, S4C and CH5* and digital satellite television and radio programmes* from broadcasters including SKY, BBC, CH4 and CH5 from BSkyB (SKY mode)**. Some functions of this TV are only available for a specific receiving mode i.e. NICAM sound is only available in TV mode, so references to NICAM in this manual apply only to TV mode. Digital satellite broadcasts use MPEG 2 sound which is of the same high quality as NICAM but only available in SKY mode.

* Subject to signal availability.
** Subject to the necessary viewing card.

When you first switch this TV on (and whenever you switch it off and then on at the main power switch) there will be a delay of up to one minute while the internal digital satellite receiver initializes itself. If the set is in SKY mode the following message will be displayed on the screen : **Initializing... Please wait**. This is normal and not a fault.

When changing programme's in SKY mode there may be a delay of several seconds before the picture appears, the picture or sound may also freeze or stop momentarily when the new programme is first displayed . Again this is normal and not a fault.

Note : *This set is designed to receive analogue terrestrial and BSkyB digital satellite broadcasts only. It is not designed to receive digital satellite broadcasts from other satellites nor can it receive analogue satellite broadcasts or digital terrestrial broadcasts. It can be used to display the picture and sound from analogue or digital satellite receivers and digital terrestrial receivers provided a scart connection or aerial is used.*

Sky digibox and SkyGuide are trademarks of British Sky Broadcasting Ltd.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited pay per view uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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Guarantee **Back Cover**

Installation

Power

This set operates on a mains supply of 230V AC, 50Hz. In the event of thunderstorms or powercuts, please pull out the aerial plug, mains plug and telephone plug (wall socket end) and unscrew the satellite 'F' plug. The use of aerial and telephone line surge protectors is also recommended. These can be purchased from your dealer.

Wiring

This set is supplied with a BS 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer or "LG Electronics U.K. Ltd.".

If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

Warning

A mains plug removed from the mains lead of this set must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket.

Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow.

If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.

Important

The wires in this mains lead are coloured in accordance with the following codes:

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this set may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Service

Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

Aerial

Connect the aerial cable to the socket marked ⟟75Ω on the back cover. For the best reception an outdoor aerial should be used.

Location

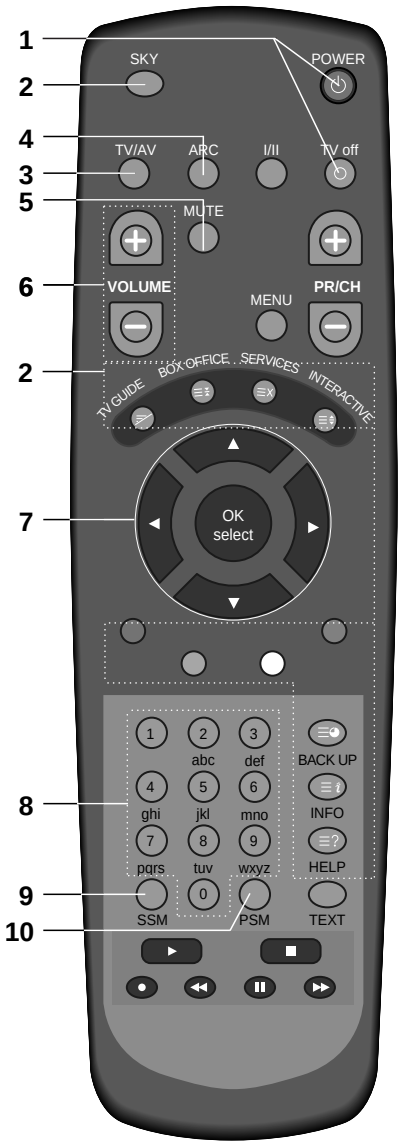
Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back.

Location and function of controls

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.



1. **POWER (⏻)**
   switches the set on from standby or off to standby.
   TV Off (○)
   switches only the TV off to standby.

2. **SKY**
   selects SKY mode or switches the set on from standby.

   TV GUIDE shows the TV guide screen.
   BOX OFFICE shows the Box office screen.
   SERVICES shows the customer Services screen.
   INTERACTIVE shows the Interactive services screen.
   colour buttons selects the corresponding colour option shown on screen.
   BACK UP shows the previous screen.
   INFO shows information about the programme you have highlighted.
   HELP for help on using the SkyGuide.

3. **TV/AV**
   selects TV or AV modes.
   clears the menu from the screen.
   switches the set on from standby.

4. **ARC (Aspect Ratio Control)**
   changes the picture format.

5. **MUTE**
   switches the sound on or off.

6. **VOLUME +/-**
   adjusts the volume.

7. **▲ / ▼ (Up/Down)**
   selects a programme in SKY mode or a menu item.
   ◀ / ▶ (Left/Right)
   adjusts menu settings.
   OK/select
   accepts your selection or displays the current mode.

8. **NUMBER/alphabet BUTTONS**
   selects a programme directly.
   alphabet a~z as they become available.

9. **SSM (Sound Status Memory)**
   recalls your preferred sound setting.

10. **PSM (Picture Status Memory)**
    recalls your preferred picture setting.

Location and function of controls

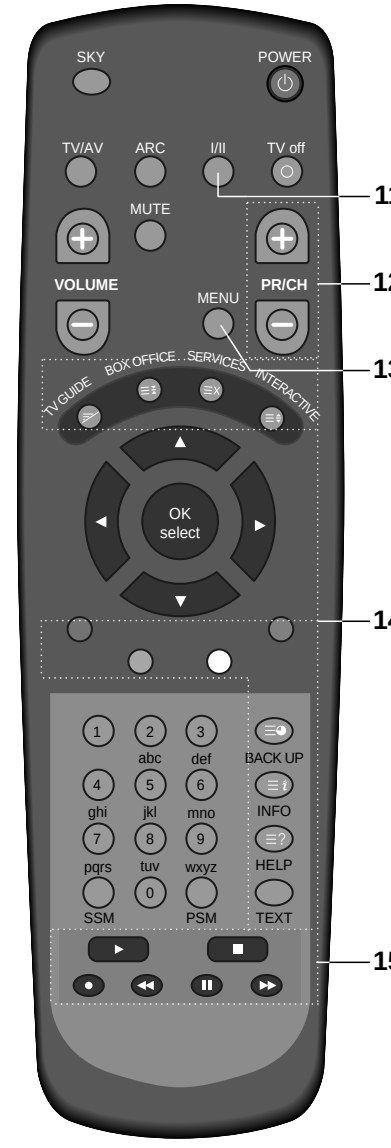
11. DUAL I/II
selects the language during dual language broadcast.
selects mono sound during stereo broadcast.

12. PR/CH +/-
selects a programme.

13. MENU
calls the main menu or clears a menu.

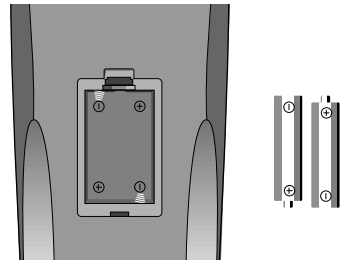
14. TELETEXT BUTTONS
These buttons are used for the teletext.
For further details, see the 'Teletext' section.

15. VCR BUTTONS
control a LG video cassette recorder.



Battery installation

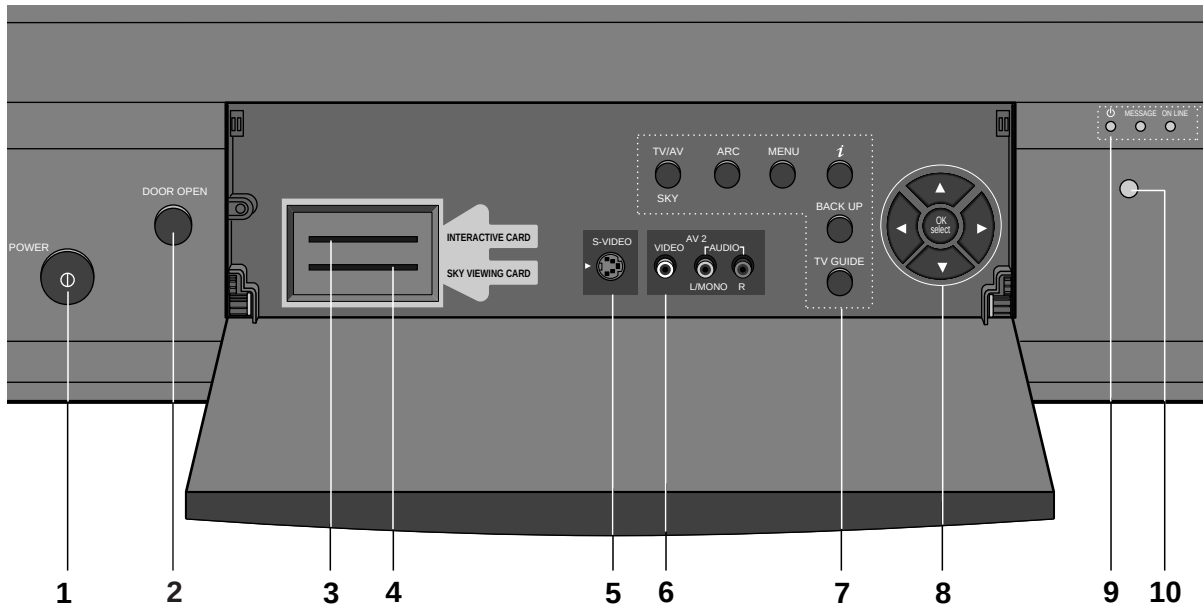
The remote control handset is powered by two AAA(Alkaline) type batteries. To load the batteries, turn the handset over and open the cover of the remote control handset until the battery compartment is exposed. Install two batteries as indicated by the polarity symbols(⊕ and ⊖) marked inside the compartment.



***Note** : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.*

Location and function of controls

Front panel



1. **MAIN POWER**
   switches the set on or off.

2. **PANEL DOOR OPENER**
   opens the front panel door by pressing it.

3. **INTERACTIVE CARD SLOT**
   insert your Interactive Card here when using Interactive services, once available, and only when an instruction to do so appears on screen.

4. **SKY VIEWING CARD SLOT**
   insert your Sky Viewing Card here.

5. **S-VIDEO/AUDIO IN SOCKETS (S-AV)**
   Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket. Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in AV2.

6. **AUDIO/VIDEO IN SOCKETS (AV2)**
   Connect the audio/video out sockets of external equipment to these sockets.

7. **TV/AV/SKY**
   selects TV, AV or SKY modes.
   clears the menu from the screen.
   switches the set on from standby.
   ARC (Aspect Ratio Control)
   changes the picture format.
   MENU
   calls the main menu or clears a menu.
   ***i*(Information)**
   shows information about the programme you have highlighted.
   BACK UP
   shows the previous screen.
   TV GUIDE
   shows the TV guide screen.

8. **OK/select**
   accepts your selection or displays the current mode.
   ◄ / ► (**Volume Down/Up)**
   adjusts the volume(In SKY mode, it's available after selecting the VOLUME menu).
   adjusts menu settings.
   ▲ / ▼ (**Programme Up/Down)**
   selects a programme or a menu item.

9. **⏻ (Power/Standby) INDICATOR**
   green when power on.
   red when the set(TV & SKY digibox) is in standby mode.
   orange colour when only the TV is in standby mode.
   MESSAGE INDICATOR
   yellow Message waiting.
   ON-LINE INDICATOR
   green on-line (using the telephone line).

10. **REMOTE CONTROL SENSOR**

Basic operation

On and off

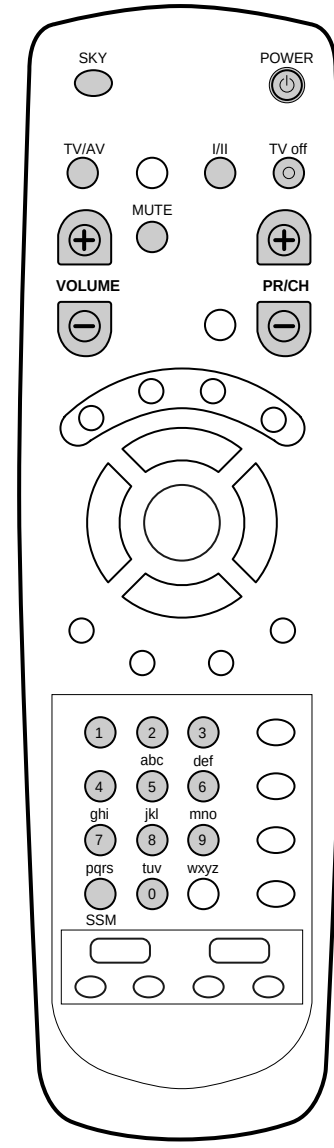
1. Press the main power button to switch the set on.
2. If the set is in standby mode (when the standby indicator is red), press the **POWER (⏻)**, **TV/AV**, or **SKY** button on the remote control handset to fully switch the set on.
3. Press the **POWER (⏻)** button on the remote control handset. The set reverts to standby.
4. Press the main power button again the to switch the set off.

Note :

*a. If you wish to switch only the TV off, press the **TV off (○)** button. To switch on, press the **POWER (⏻)**, **TV/AV** or **SKY** button.*

b. If no broadcast signal is received for about 10 minutes, the set will automatically switch itself to TV off mode.

c. If, while the set is switched on, the mains plug is disconnected the set will switch to standby or power on when the mains plug is replaced in mains power socket.



Programme selection

You can select a programme number with the **PR/CH +/-** or NUMBER buttons.

Note : *In SKY mode, each time you change programme, the Search and Scan banner appears on the screen.*

Volume adjustment

Press the **VOLUME +/-** button to adjust the volume.

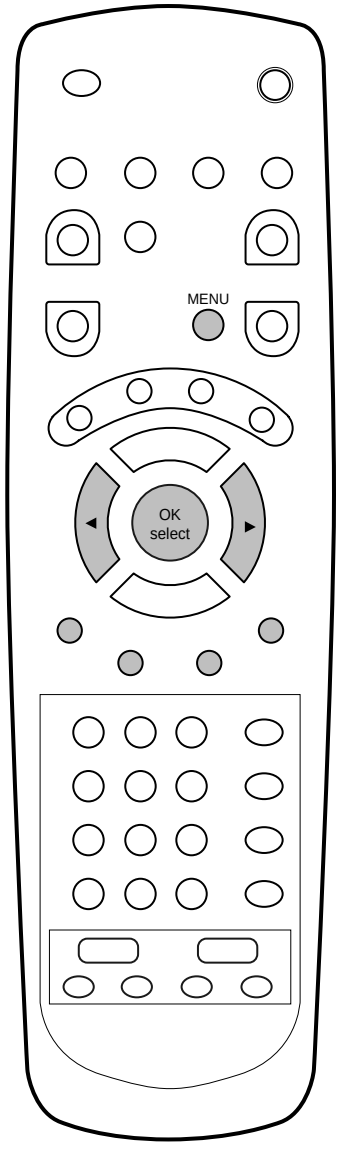
Mute function

Press the **MUTE** button. The sound is switched off and the display 🔇 appears. You can cancel it by pressing the **MUTE**, **VOLUME +/-, SSM** or **I/II** (only TV mode) button.

On screen menus

The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

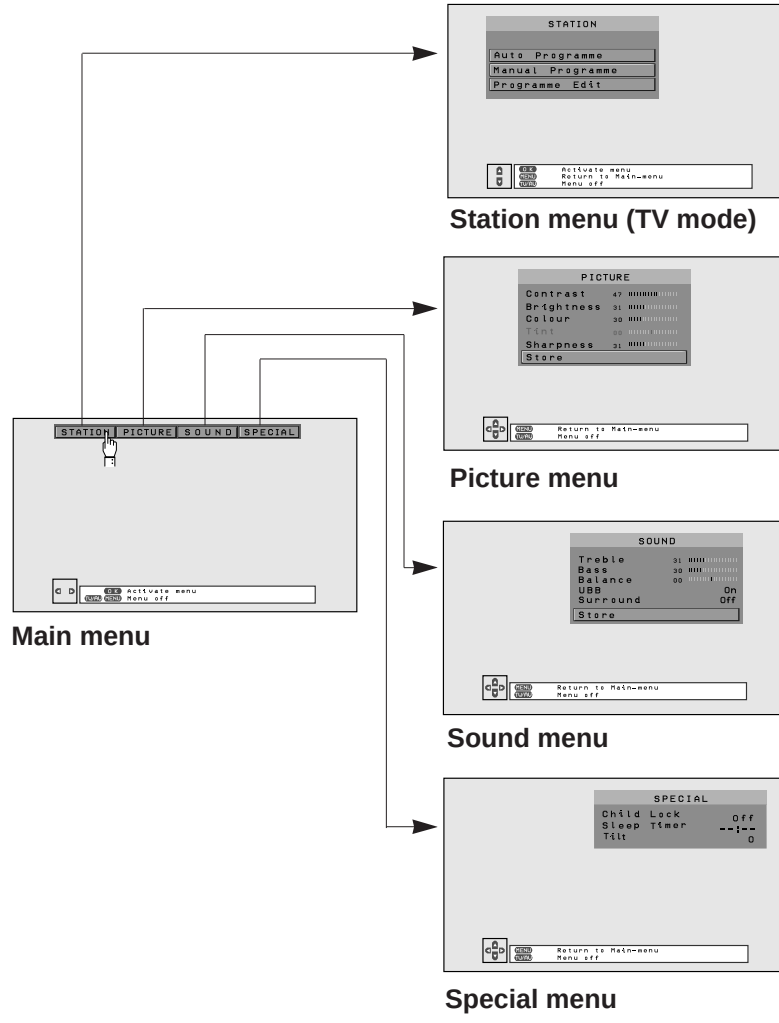
Menu selection



1. Press the **MENU** button.
2. Select the desired menu with the ◄ / ► button then press the **OK** button. Or you can press one of the four COLOURED buttons corresponding to the coloured menu you want to select.
3. The selected menu item changes from black to red.

Note :

*a. In AV mode, only the **AV name** is selected in the **STATION** menu.*
b. In Teletext mode, menus are not displayed.
*c. In SKY mode, the **STATION** menu can not be selected the **VOLUME** menu is displayed instead.*



Station menu (TV mode)

Picture menu

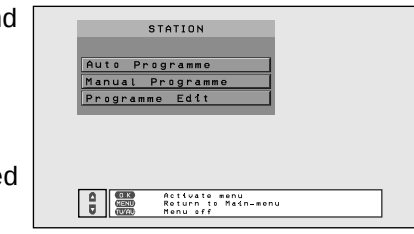
Main menu

Sound menu

Special menu

Station

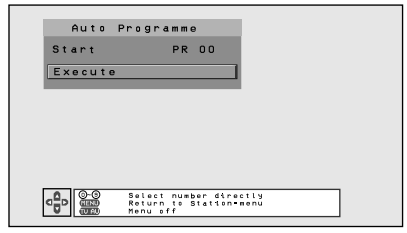
The station menu contains two selections for station search and storage - Auto Programme and Manual Programme.



Auto programme

By auto programming, stations can be searched for and stored automatically.

1. Press the **MENU** button then the RED button.
2. Select **Auto Programme** with the ▲ / ▼ button then press the **OK** button.



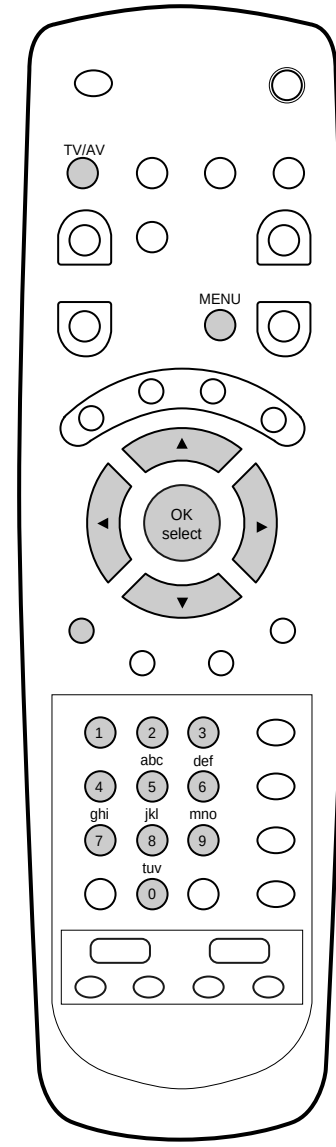
3. Select **Start** with the ▲ / ▼ button.
   Enter a double digit programme number at which storing is to begin with the ◄ / ► or NUMBER buttons.
   In this way, all further stations are stored from this programme number onwards. Up to 100 (00 to 99) stations can be stored.
4. Select **Execute** with the ▲ / ▼ button.
5. Press the **OK** button to start auto programming.

All receivable stations are stored. The programme name is also stored for stations which broadcast PDC(Programme Delivery Control) or TELETEXT data, the stored stations are automatically sorted.
If no station name can be assigned to a station, the channel number is assigned and stored.

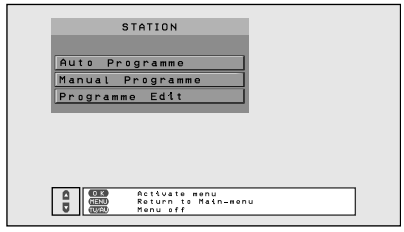
To stop auto programming, press the **OK** or **MENU** button.

The programme edit mode appears after completing auto-programming. Exit the menu by pressing the **TV/AV** button if you agree with the programme assignment. If not, you can edit the programmes as you prefer. See the 'Programme edit' section.

You can now recall the stored TV programmes with the ▲ / ▼ or NUMBER buttons.

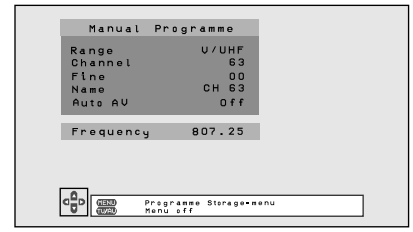


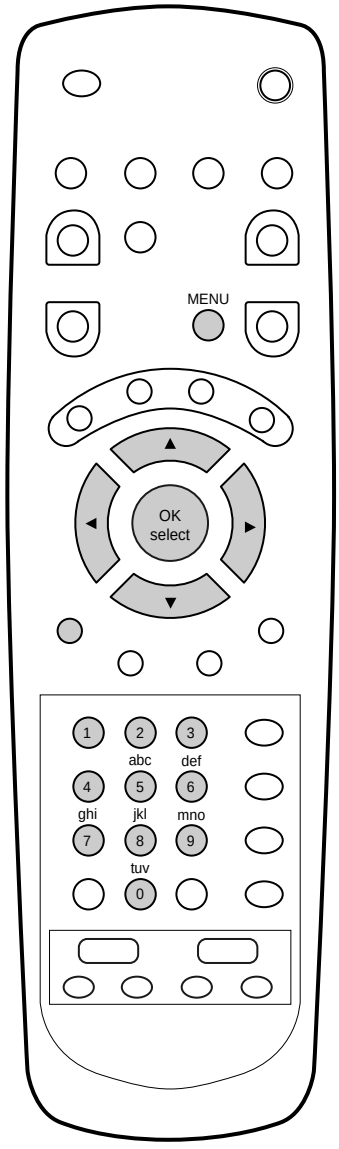
Station



Manual programme

1. Press the **MENU** button then the RED button.
2. Select **Manual Programme** with the ▲ / ▼ button then press the **OK** button.





3. Select **Range** with the ▲ / ▼ button.
4. Select the frequency range with the ◄ / ► button.
   You can select between the ranges **V/UHF** and the special channel range **Cable** for cable TV systems.
5. Select **Channel** with the ▲ / ▼ button.
   Enter the double digit channel number with the ◄ / ► or NUMBER buttons.
   You can also search for stations by pressing the **OK** button. The search stops when a station has been found. If the picture and sound are not perfect or you want another station, restart the search.
6. If reception condition is not good, select **Fine** with ▲ / ▼ button.
   Then carry out fine tuning for the best picture and sound quality with the ◄ / ► button.
7. Select **Name** with the ▲ / ▼ button.
8. Enter a station name with the ◄ / ► button.
   A programme name has five positions and you can use the letters **A** to **Z**, blank, symbols **+**, **-** or numbers **0** to **9**.
   Press the **OK** button to store one position, and the next position is called.
   If you do want to stop entering the name, execute the next step.

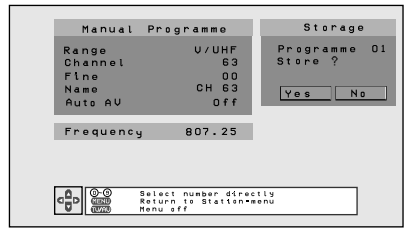
Station

9. Select **Auto AV** with the ▲ / ▼ button then the desired input source(**On** or **Off**) with the ◄ / ► button.

VCR automatic switching

If your VCR outputs a switching voltage (Euro SCART pin 8, 4:3 12V, 16:9 8V) when it is switched to playback, select **Auto AV On**. You can now watch your recordings, normal or wide screen with automatic picture size and VCR selection.

10. Press the **MENU** button to store the searched station.

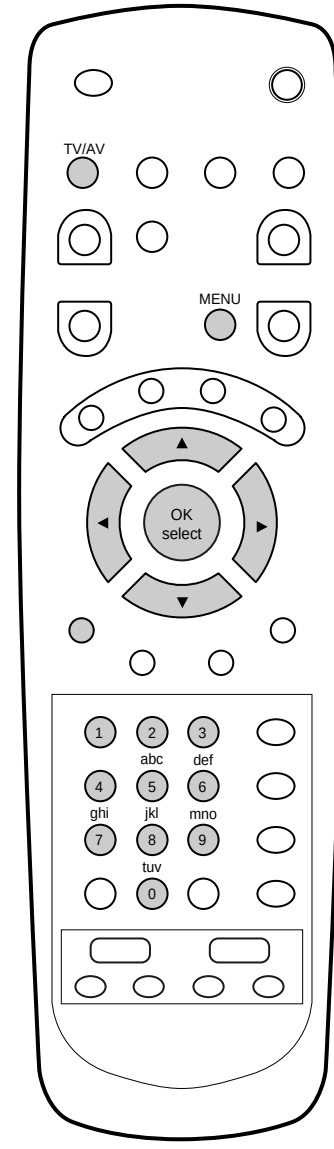


11. Enter the double digit programme number with the ◄ / ► or NUMBER buttons.
12. Select **Store?** with the ▲ / ▼ button.
13. Select **Yes** to execute or **No** to cancel storage with the ◄ / ► button.
14. Press the **OK** button.

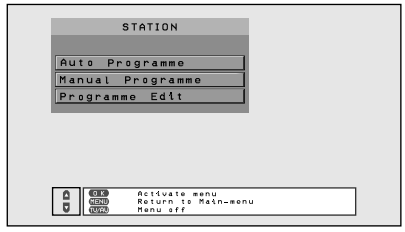
Repeat steps 3 to 14 for further programmes.

Exit the menu by pressing the **TV/AV** button.

Note : *NTSC can only be received in AV mode. VCR automatic switching does not operate while in SKY mode.*



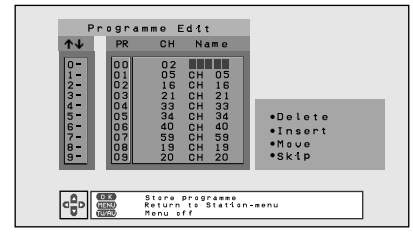
Station

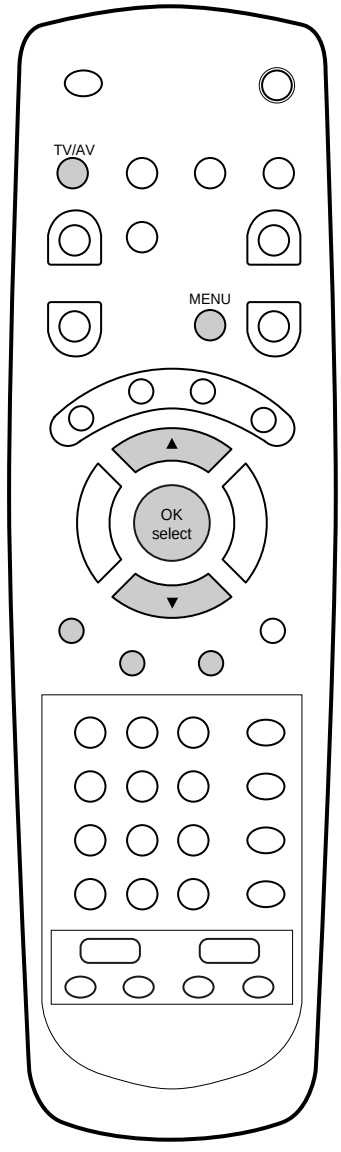


Programme edit

This function enables you to delete, move or skip the stored programmes as you like. You can also store other stations at some programme numbers without changing the order of programmes.

Press the **MENU** button then the RED button.
Select **Programme Edit** with the ▲ / ▼ button then press the **OK** button.





Deleting programmes

1. Select the programme to be deleted with the ▲ / ▼ button.
2. Press the RED button.
3. Press the **OK** button to delete the programme.

The selected programme is deleted and all the following programmes are shifted backward one position.
Exit the menu by pressing the **TV/AV** button.

Inserting a free programme number

This function enables you to insert programmes later.
A programme memory is only displayed with the channel number in the programme table.
New station data can be stored in this programme memory.

1. Select a programme number for insertion with the ▲ / ▼ button.
2. Press the GREEN button.

All the following programmes are shifted forward one position to the next programme number.
You can enter station data at a free programme number with the 'Manual Programme' menu.
Exit the menu by pressing the **TV/AV** button.

Moving programmes

1. Select the programme to be moved with the ▲ / ▼ button.
2. Press the YELLOW button.
3. Move the programme to the desired programme number with the ▲ / ▼ button.
4. Press the **OK** or **MENU** button.

The station names and data are moved.
Exit the menu by pressing the **TV/AV** button.

Station

Skipping programmes

1. Select the programme to be skipped with the ▲ / ▼ button.
2. Press the BLUE button.

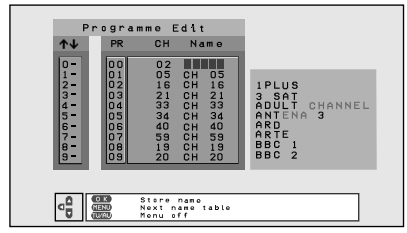
The station name turns grey and the programme is skipped.
When you press the BLUE button again, the station name returns to black and skip is cancelled. With the ▲ / ▼ button the skipped programme cannot be found. If you want to find the skipped programme, directly enter the programme number with the NUMBER buttons.
Exit the menu by pressing the **TV/AV** button.

Note : *The programme number 01 cannot be skipped.*

Changing the station name

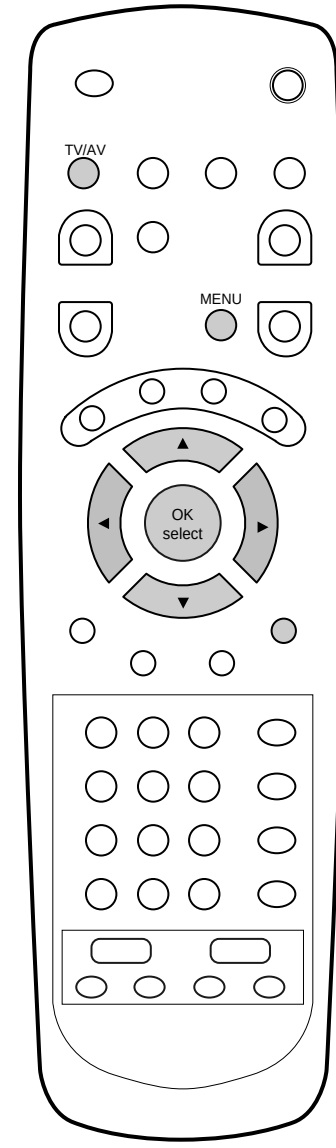
You can select a station name from the name list. This is useful, for example, in case of stations without station name.

1. Select the programme at which you want to change a name with the ▲ / ▼ button.
2. Press the ► button.

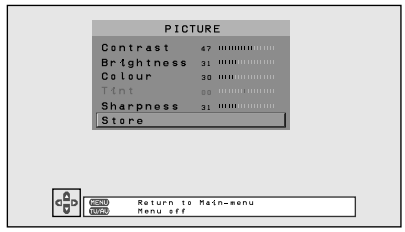


3. Select a name from the name list with the ▲ / ▼ or **MENU** button.
4. Store the name with the **OK** button.
5. Press the ◄ button.

Repeat steps 1 to 5 for further programmes.
Exit the menu by pressing the **TV/AV** button.



Picture



Picture adjustment

You can adjust picture contrast, brightness, colour intensity, tint and sharpness to the level you prefer.

1. Press the **MENU** button then the GREEN button.
2. Select a desired item with the ▲ / ▼ button.
3. Adjust the value with the ◄ / ► button.

***Note : Tint** adjustment is available when receiving a NTSC signal via the AV input sockets.*

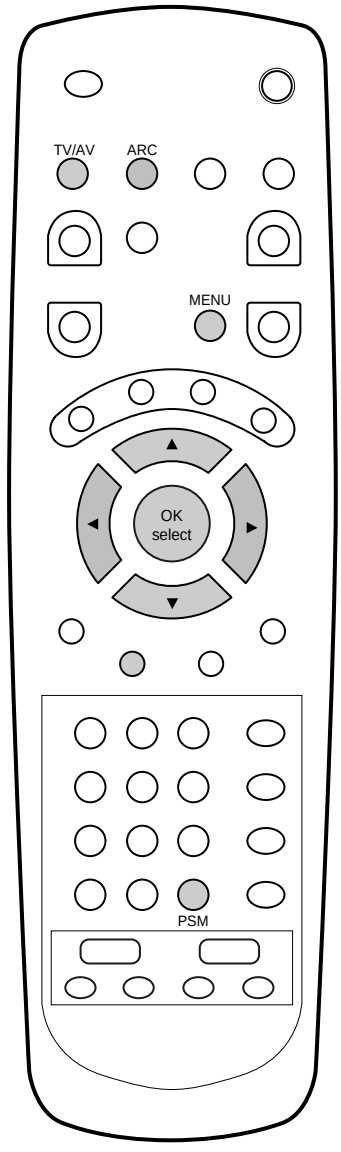
At this point you can complete your adjustment or store your setting for immediate recall by following steps 4 to 7.

4. Select **Store** with the ▲ / ▼ button.
5. Press the **OK** button.
6. Select **Favorite 1** or **Favorite 2** with the ▲ / ▼ button.
7. Press the **OK** button.

Exit the menu by pressing the **TV/AV** button.

Your setting for picture is now stored are remains your preferred setting until you store different values with this menu. Your preferred setting is retained even when the set is switched off by the main power button.

To recall your preferred setting, press the **PSM** button until the desired picture (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** picture is programmed for good picture reproduction at the factory and cannot be changed.



Picture format selection

You can watch the TV in various picture formats.
Press the **ARC** button to switch to 4:3, 16:9, Zoom 1, Zoom 2 or Auto picture format. Also see page 13, VCR automatic switching.

4:3 Normal
This is normal picture size 4 by 3 as displayed on all TV sets.

16:9 Wide screen
Cinema screen pictures are viewed like this. Some TV stations broadcast programmes (mainly films) in the mode. To enjoy the cinema picture, select this mode.

Zoom 1
The normal 4 by 3 picture is magnified to fill the whole screen but the extreme top and bottom of the picture are lost.

Zoom 2
Similar to Zoom 1 but the picture is shifted upwards so that subtitles at the bottom of the picture can be viewed, therefore the top of the picture is lost.

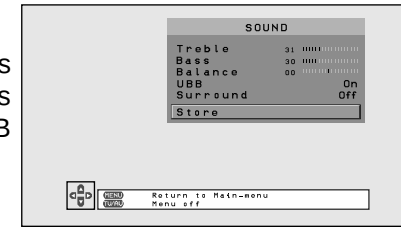
Auto Picture format
When your TV receive the wide screen signal, it will automatically change to the picture format to be sent.

If you want to change the desired picture format, press the **ARC** button.

***Note :** Satellite 16:9 Wide screen. Some TV stations (BBC) broadcast programmes in Wide screen 16:9 format on Digital Satellite but the actual picture has black bands at the side showing a smaller 14:9 display. This has done by the broadcaster to retain compatibility with non wide screen TV's. Pressing the **ARC** button will not expend the picture any further as the broadcast is actually in 16:9 mode. If you view the same programme on terrestrial analogue the picture will probably be broadcast in 4:3 and therefore the ARC will expand the picture to 16:9 mode. This is not a fault of the TV but is due to the way some broadcasters transmit their programmes differently on digital and analogue formats.*

Sound

Sound adjustment



You can adjust the sound treble, bass, balance, UBB (Ultra Bass Booster) and surround as you prefer. The surround sound creates the sound effect surrounded around as in a concert hall and UBB stresses and emphasizes heavy sound.

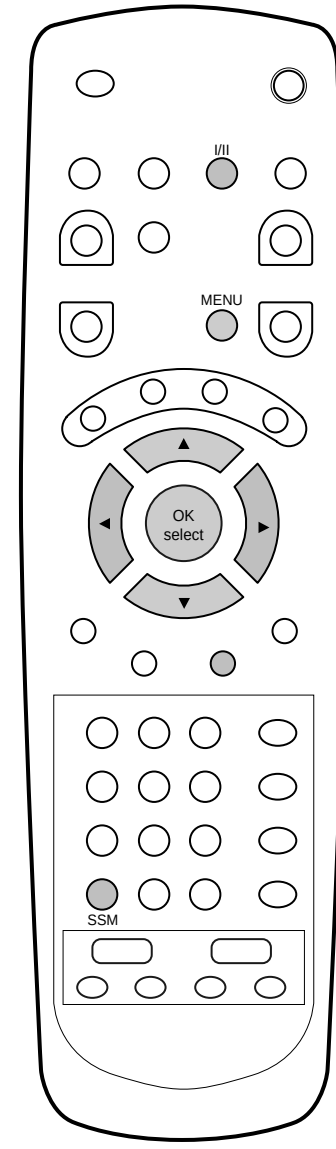
1. Press the **MENU** button then the YELLOW button.
2. Press the ▲ / ▼ button to select a desired item.
3. Adjust the value with the ◄ / ► button.

You can store the values you have set under the sound menu.

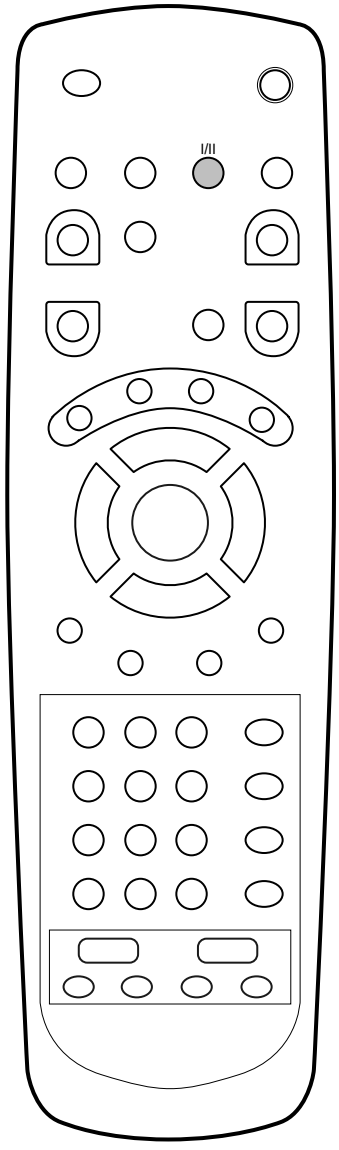
4. Select **Store** with the ▲ / ▼ button.
5. Press the **OK** button.
6. Select **Favorite 1** or **Favorite 2** with the ▲ / ▼ button.
7. Press the **OK** button.

Exit the menu by pressing the **TV/AV** button.

To recall your preferred setting press the **SSM** button until the sound (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** sound is programmed for good sound reproduction at the factory and cannot be changed.



Sound



NICAM broadcast reception

This set can receive the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound.
Sound output can be selected according to type of the received broadcast as follows by pressing the **I/II** button repeatedly.

1. When NICAM mono is received, you can select **NICAM MONO** or **FM MONO**.
2. When NICAM stereo is received, you can select **NICAM STEREO** or **FM MONO**. If the stereo signal is weak, switch to FM mono.
3. When NICAM dual is received, you can select **DUAL I**, **DUAL II**, **DUAL I II** or **FM MONO**.

Language selection for dual language broadcast
If a programme is received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I II** by pressing the **I/II** button repeatedly.

DUAL I sends the primary broadcast language to the loudspeakers.
DUAL II sends the secondary broadcast language to the loudspeakers.
DUAL I II sends a separate language to each loudspeaker.

Sound output selection

In AV mode, you can select output sound for the left and the right loudspeakers.

Repeatedly press the **I/II** button to select the sound output.

L+R : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.
L+L : Audio signal from audio L input is sent to left and right loudspeakers.
R+R : Audio signal from audio R input is sent to left and right loudspeakers.

Special functions

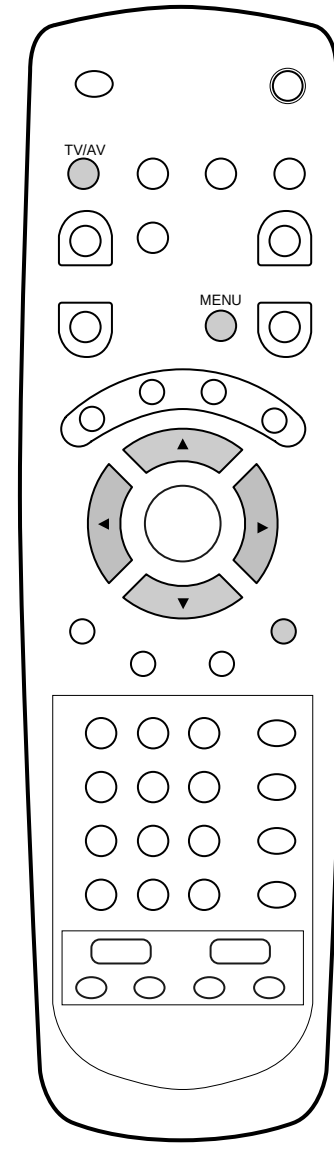
Child lock

The TV can be set so that the remote control handset is needed to control it.
This feature can be used to prevent unauthorized viewing.

1. Press the **MENU** button then the BLUE button.
2. Select **Child Lock** with the ▲ / ▼ button.
3. Select **On** with the ◄ / ► button on the remote control handset.

Exit the menu by pressing the **TV/AV** button.

With the child lock on, the display **Child Lock** appears on the screen if any button on the front panel is pressed while viewing the TV.



Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

1. Press the **MENU** button then the BLUE button.
2. Select **Sleep Timer** with the ▲ / ▼ button.
3. Set the desired time with the ◄ / ► button.

Exit the menu by pressing the **TV/AV** button.

You can set the sleep timer up to four hours at intervals of ten minutes. The timer begins to count down from the number of minutes selected.

Note : *To cancel this function, press the ◄ / ► button to select* ***--:--****.*

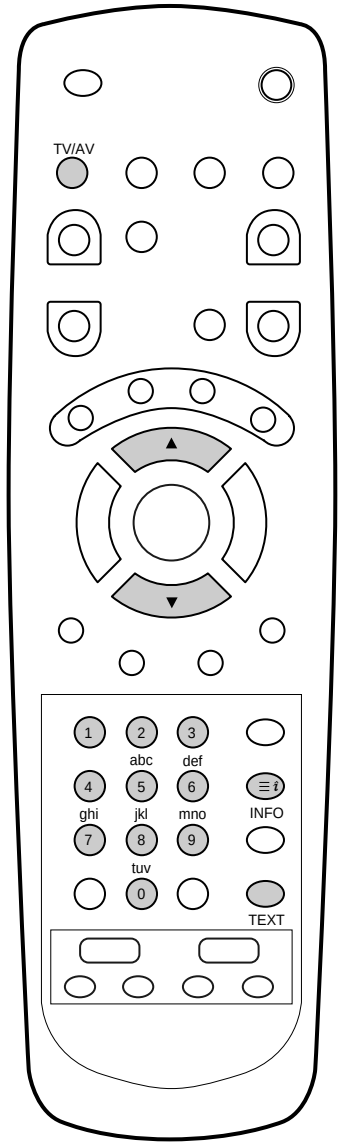
Tilt

In order to obtain the best picture, i.e. least tilt please set the tilt as follows:
In the Northern hemisphere to 0, +1 or +2

1. Press the **MENU** button then the BLUE button.
2. Select **Tilt** with the ▲ / ▼ button.
3. Adjust the purity with the ◄ / ► button.

Exit the menu by pressing the **TV/AV** button.

Teletext



Teletext is a free service broadcast by most TV channels which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the Simple, TOP and FASTEXT systems. Simple(standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

Switch on/off

Press the **TEXT** button to switch to teletext. The initial page or the last selected page appears on the screen. The teletext decoder will be in the teletext mode transmitted by the broadcast station.
Two page numbers, TV channel name, date and time are displayed on the screen headline. The first page number indicates your selection while the second shows the current page displayed.
Press the **TEXT** or **TV/AV** button to switch off teletext. The previous mode reappears.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection

1. Press the ≡i button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the Simple text, you can select a page by entering its three digit number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can be used to select the preceding or following page.

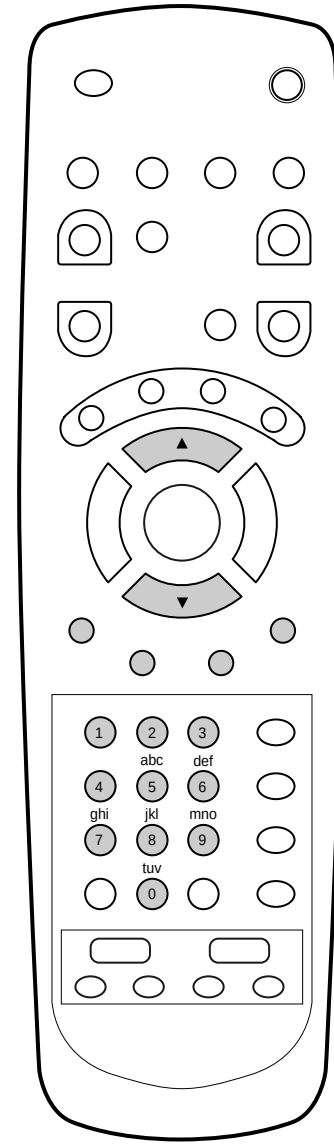
Teletext

Simple text

Page selection

1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then reenter the correct page number.
2. The ▲ / ▼ button can be used to select the preceding or following page.

Note : *If you enter a page number which does not exist the second page number will continually count up to indicate this error.*



TOP text

The user guide displays four fields ▁ red, green, yellow and blue ▁ at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

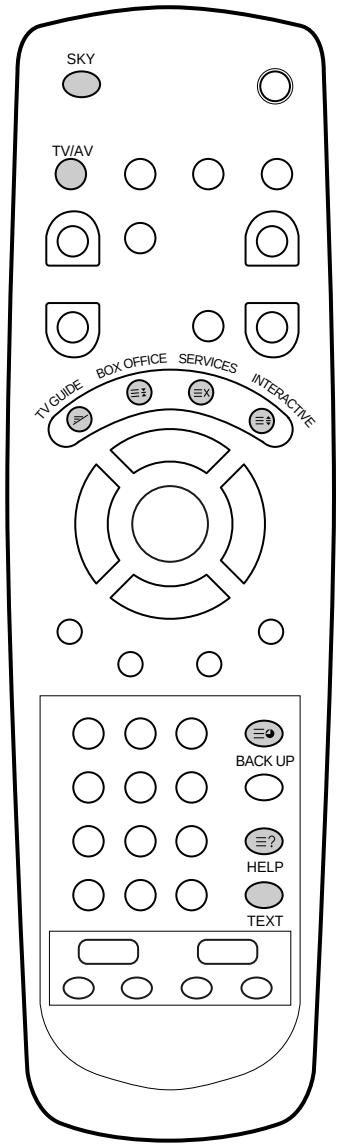
Group/block/page selection

1. With the BLUE button you can progress from block to block.
2. Use the YELLOW button to proceed to the next group with automatic overflow to the next block.
3. With the GREEN button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the ▲ button can be used.
4. The RED button permits to return to previous selection. Alternatively the ▼ button can be used.

Direct page selection

Corresponding to the Simple text, you can select a page by entering its three digit number with the NUMBER buttons in TOP mode.

Teletext



Special teletext functions

REVEAL
Press this button to display the concealed information such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

EXPAND (SIZE)
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

UPDATE
Displays the TV picture on the screen while waiting for the new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available the display will change to the page number.
Press this button to view the updated teletext page.

HOLD (STOP)
Stops the automatic page change which will occur if a teletext page consists of two or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.

MIX
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

TIME
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In teletext mode press this button to select and hold or change a four digit sub page number. This is displayed along the bottom of the screen. Press this button again to exit this function.

Operating Teletext when watching a satellite channel
To access teletext when watching a satellite programme, the following button sequence should be used.

1. Press the **TEXT** button (The banner will appear on the screen).
2. Press the **TV/AV** button.
3. Press the **TEXT** button whilst the SKY ident is displayed on screen.
4. To return to satellite viewing, press the **TEXT** button to exit mode and then press the **SKY** button.

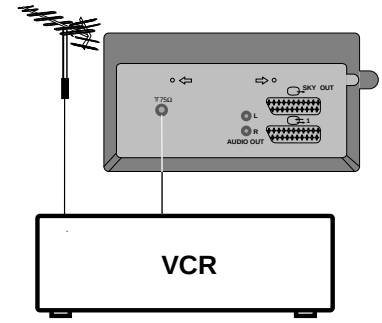
This will access the teletext function. The teletext features can be used as described in the teletext section on page 20 - 21.

Connection of external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Here shown may be somewhat different from the back of your set. Also see page 35.

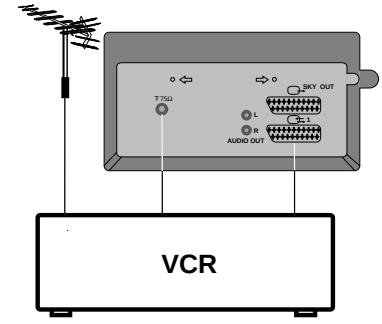
Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.



Euro SCART socket (AV1)

1. Connect the euro SCART socket of the VCR to the euro SCART socket 1 on the back of the set.
2. Select the AV1 mode for the socket 1 by pressing the **TV/AV** button repeatedly.
3. Press the **PLAY** button on the VCR to play the VCR or the **REC** button to record a viewing TV programme.



Note :

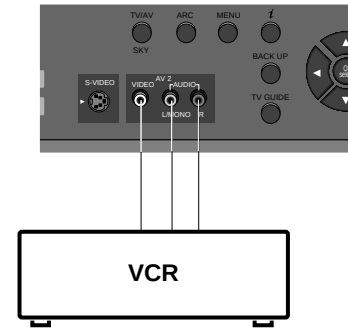
*a. You can change the names for AV modes. In AV mode press the **MENU** button then the RED button. To change the name, refer to step 8 on page 12.*

b. Signal type RGB, i.e. the signals red, green and blue can only be selected for the euro scart socket 1(not SKY OUT euro scart). These signals are transmitted, for example, by a computer, pay TV decoder, game machine or Photo CD unit.

c. To record the digital satellite broadcast, connect the VCR to the SKY OUT euro scart socket.

Audio/Video in sockets (AV2)

1. Connect the audio/video out sockets of the VCR to the **AUDIO/VIDEO IN (AV2)** sockets on the front panel of the set.
2. Select the AV2 mode by pressing the **TV/AV** button repeatedly.
3. Press the **PLAY** button on the VCR.

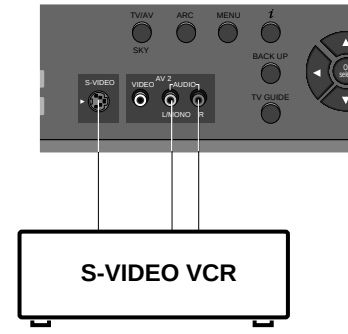


S-Video/Audio in sockets (S-AV)

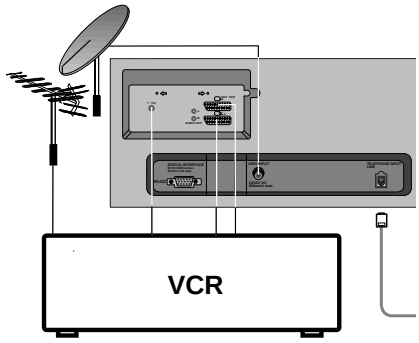
When connecting an S-Video VCR to the **S-VIDEO** socket, the picture quality will be further improved.

1. Connect the S-video socket of the VCR to the **S-VIDEO** socket on the front panel of the set.
2. Connect the audio cable from the S-Video VCR to the **AUDIO IN** sockets on the front panel of the set.
3. Select the S-AV mode by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.

Note : *If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** socket on the front panel of the set.*



Connection of external equipment



Digital satellite dish socket (DISH INPUT)

The digital satellite dish socket allows you to connect a digital satellite dish(not supply) to the set.

Satellite out socket (SKY OUT)

Your set can be connected to other equipment such as your VCR, and a satellite programme can be recorded whilst viewing terrestrial channel.

Telephone line socket (TELEPHONE LINE INPUT)

With the exceptions of the mains and telephone line, all the interconnections between the rear panel of your set and equipment connected to it are safe, extra-low voltage circuits.

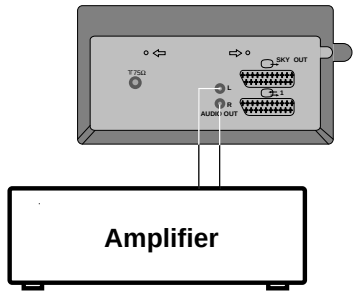
The telephone lead is intended for connection to a standard U.K. telephone line. This lead and your set have been specifically approved for this purpose.

After the telephone lead has been connected into the rear panel, you cannot remove it. If you need to move your set, you must first remove the mains lead, then unplug the telephone lead at its wall socket.
You may need to purchase a telephone socket doubler to allow the telephone lead and your normal telephone to be connected at the same time. Satellite receiver REN Value 0.5.

RS-232

The RS-232 socket is for future use. If you connect earthed equipment to this socket you must used an approved screened cable.

WARNING :
You must disconnect your set from the mains supply before you connect your set to(or disconnect it from) any other equipment.



Audio out sockets (AUDIO OUT)

The phono sockets for a Hi-Fi amplifier system are on the back of the set; L=left sound channel, R=right sound channel.
If you connect an amplifier system, you can also play the TV sound through the stereo amplifier system. If you press the **MUTE** button, only the sound of the TV's speakers are switched off.

Digital satellite receiving

What is digital satellite?

Digital satellite is the latest stage in the evolution of TV, giving you not only crystal clear pictures and digital quality stereo sound, but also the opportunity to receive many more channels and services.

Your set receives the digital information via the satellite, decodes it and sends it through to your set. As well as watching your set, you can also see the useful, on-screen SkyGuide.

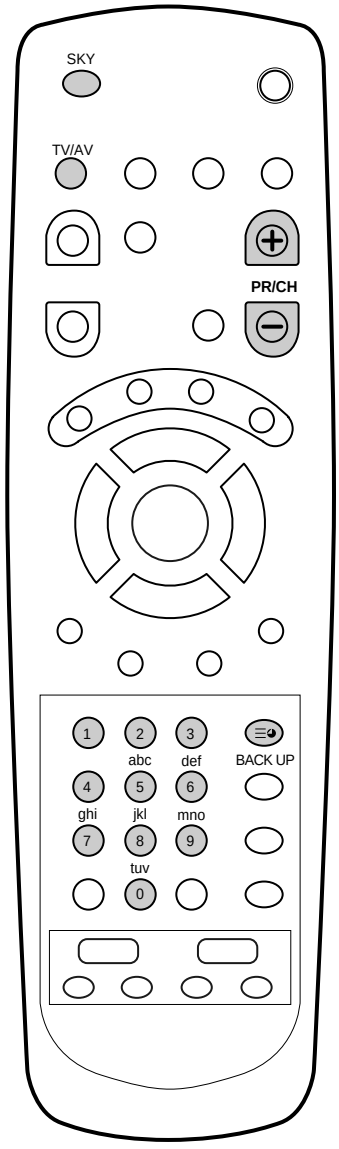
What is the SkyGuide?

The SkyGuide is a helpful and easy to use on-screen guide to your digital satellite services. It is designed for people who want to get the most out of watching television.

The SkyGuide allows you to:
1. See on-screen TV programme listings for up to seven days.
2. See TV listings while you are watching a programme.
3. Set parental control restrictions and programme purchase price limits.
4. Modify your SkyGuide settings.

Sky keeps you up-to-date
As digital television develops and as more features become available, Sky may occasionally update the SkyGuide software by loading it into your set directly from the satellite. Sky will give you information on these additions and new features as they are added.

Getting started



This section gives you the information you need to start watching digital satellite broadcast.

Note :

1. *Before starting, make sure your Sky Viewing Card is inserted the right way up in the slot marked **SKY VIEWING CARD** on the front panel. If you do not have a Sky Viewing Card, call your broadcaster's helpdesk. For your broadcaster's helpdesk number, select the TELEPHONE NUMBERS option from the SERVICES screen.*
2. *So that you can watch all the channels and services you want, you must leave your Sky Viewing Card in your set at all times.*

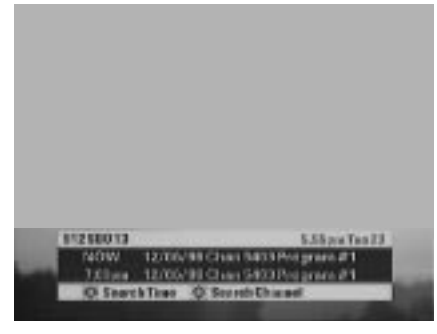
Switch on/off

1. Press the **SKY** button to select the satellite mode.
2. Press the **TV/AV** button to revert to TV and AV modes.

Note : *When you first switch this TV on (and whenever you switch it off and then on at the main power switch) there will be a delay of up to one minute while the internal digital satellite receiver initializes itself. If the TV is in SKY mode the following message will be displayed on the screen :* ***Initializing... Please wait****. This is normal and not a fault.*

Changing programmes

You can select a programme with the **PR/CH +/-** or NUMBER buttons. Each time you change programme, the Search and Scan banner appears on the screen.



The banner will disappear automatically after a few seconds, or you can press the **BACK UP** button to remove it immediately. For more details about this banner refer to the Using your 'SkyGuide' section.

Using SkyGuide

The SkyGuide is a helpful and easy to use on-screen guide to your digital satellite services.

All the SkyGuide Features can be controlled using the remote control handset. There are four major parts, each of these has a separate button on the remote control handset. The four parts are:

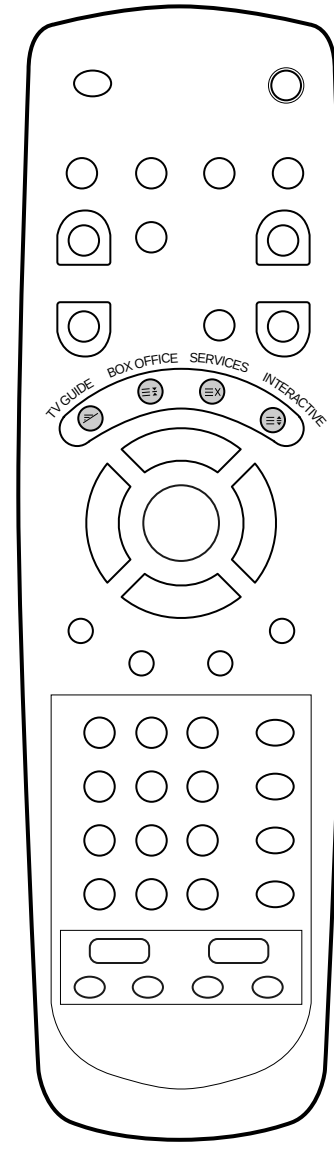
TV GUIDE
Shows on-screen listings for channels and programmes.

BOX OFFICE
Allow you to order specific movies and events that you choose to purchase.

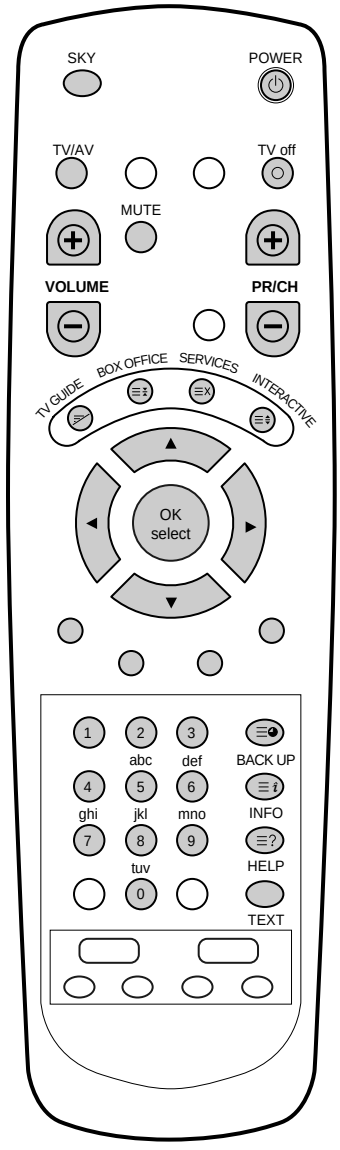
SERVICES
Allow you to set Parental Controls and see useful customer information.

INTERACTIVE
Gives access to a range of interactive services as they become available.

Your set is ready for the future of television. Some of these features may not be available immediately.



Using SkyGuide



SkyGuide and remote control handset

Your SkyGuide and remote control handset are designed to work together. Whatever part of the SkyGuide is on your screen, press the ▲ / ▼ or ◄ / ► button to move the highlight around, then press the **OK/select** button to choose the option you want.

You can use the colour buttons on many of the SkyGuide screens. The function of the colour buttons are shown on the screen. Press the button of the same colour to choose that option or function.

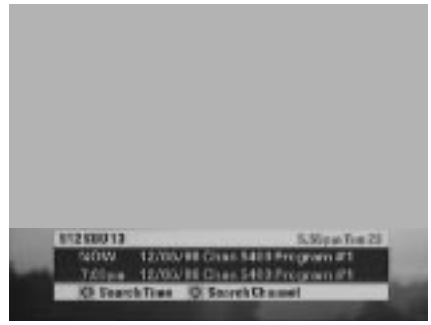
You can also use the NUMBER buttons as shortcuts. Whenever a list of numbered options is shown, you can press the appropriate NUMBER button to choose an option quickly.

If you go to a screen you don't want, press the **BACK UP** button to return to the previous SkyGuide screen.

Note : *Press the **SKY** button to return to the programme you were watching.*

Using SkyGuide

Using the Search and Scan banner
When you are watching a satellite channel and want to find out what else is on, either now or later, without interrupting the programme you are watching, press the **OK/select** button to display the Search and Scan banner.

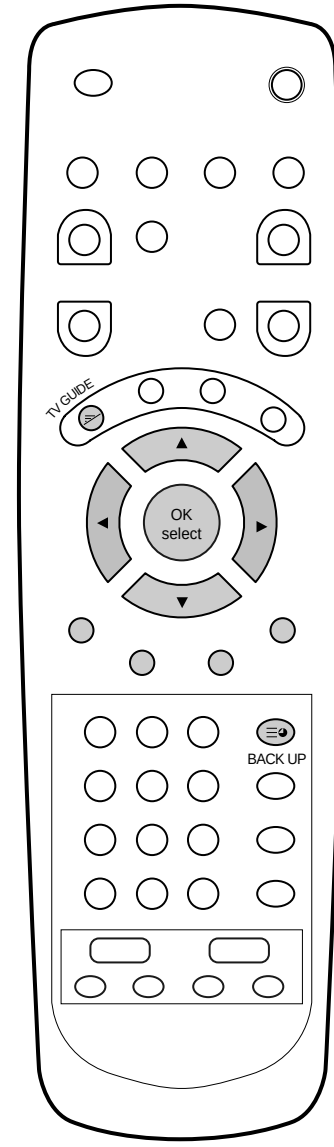


Press the ◄ / ► button to see what programmes are on at different times on the current channel.

Press the ▲ / ▼ button to see what is on another channel.

If you see a programme you want to watch and it is on now, press the **OK/select** button, your set tunes to it.

Note : *The banner will disappear automatically after a few seconds, or you can press the* ***BACK UP*** *button to remove it immediately.*



TV Guide

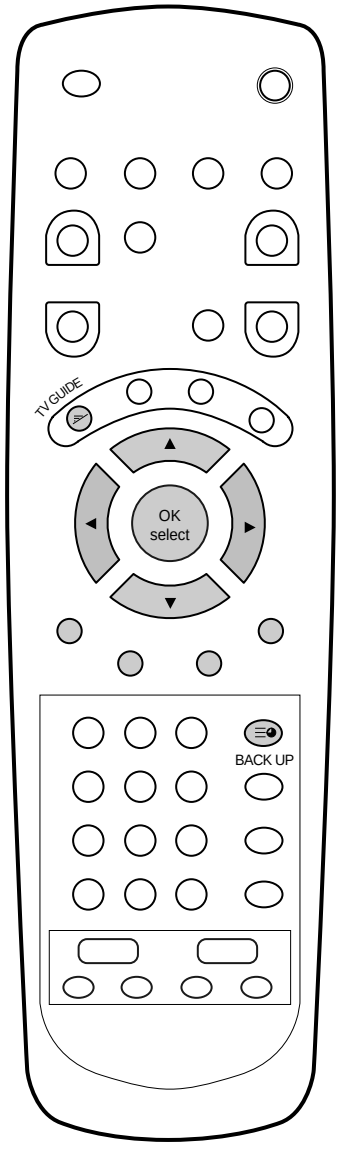
Press the **TV GUIDE** button to see the TV GUIDE screen.

TV GUIDE LISTINGS
TV programmes scheduled for today and the coming week, listed by channel number.

ENTERTAINMENT, **MOVIES**, **SPORTS**, **NEWS and DOCUMENTARIES**, **CHILDREN**, **MUSIC and SPECIALIST**
TV programmes scheduled for today and the coming.

OTHER CHANNELS
A list of channels that your set is capable of receiving but for which listing may be available in the SkyGuide.

Using SkyGuide



Finding a programme

To find a programme from the full listings, press the **TV GUIDE** button, highlight TV GUIDE LISTINGS, then press the **OK/select** button. The TV GUIDE LISTINGS screen is shown.

Press the ▲ / ▼ button to move the highlight through the channels.

Press the ◄ / ► button to see programmes being shown at different times.

Times are shown at the top of the programme listing.

You can also use the 'Page Up'(RED) and 'Page Down'(GREEN) button to see the preceding or next section of the channel listing.

Use the '+24 Hours' (YELLOW) button to move forwards 24 hours at a time. To move backwards 24 hours at a time, use the '-24 Hours' (BLUE) button.

Note : *The TV GUIDE LISTINGS screen shows the programme listings for the next 7 days.*

Using SkyGuide

Choosing a programme
When you see a programme you want to watch and it is on now, use the ▲ / ▼ or ◄ / ► button to highlight it, then press the **OK/select** button, your set tunes to it.

If you choose a programme that you need to order to watch, you will see the BOX OFFICE screen showing the programme details and purchase price.
If you choose a programme that is on a channel to which you do not currently subscribe, you will be given the opportunity to include this channel in your subscription.

More information?
If you would like more information about a particular programme, use the ◄ / ► button to highlight it, then press the **INFO** button. The programme information banner appears on your screen.

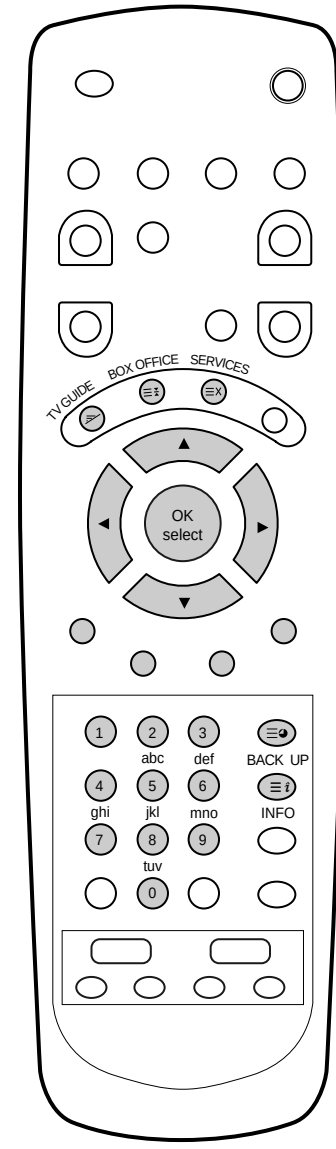
Press the **BACK UP** button to remove the programme information and show the previous screen.

Other Channels
Other channels include channels that your set is capable of receiving but for which listings may not be available in the SkyGuide, for example, foreign language channels.

To see the other channels screen, press the **TV GUIDE** button, highlight OTHER CHANNELS, then press the **OK/select** button. The other channels list is shown on your screen.

To watch one of these channels, highlight it, then press the **OK/select** button.

Note : *When you first get your set, the other channels screen is empty. For information on adding other channels, refer to the 'Adding Other Channels' section.*



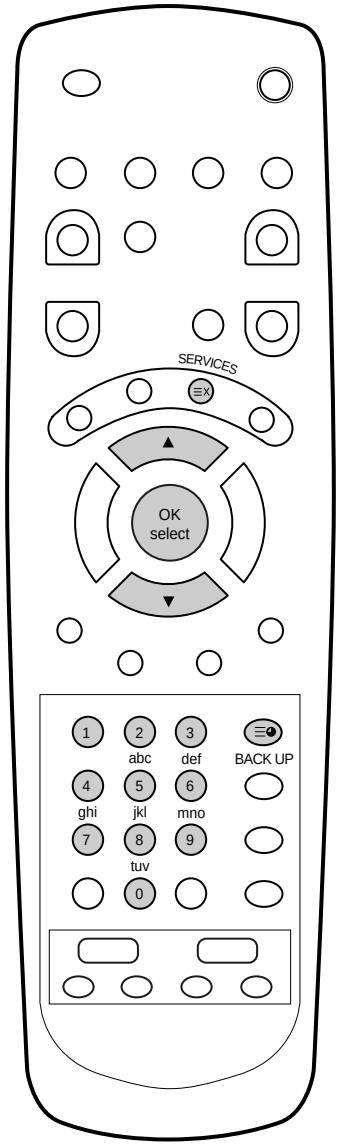
Services

Press the **SERVICES** button to see the SERVICES screen.

SERVICES gives you access to the Parental Control facility, information on using your set and a list of useful telephone numbers. You can also see and modify the settings for your set.

Note : *Use the ▲ / ▼ or ◄ / ► to move the highlight around the screen; use the* ***OK/select*** *button and all other buttons just as you do elsewhere.*

Using SkyGuide



Parental Control and your PIN
Using your set, you have control over which programmes are seen in your home. You can do this by using a PIN (Personal Identification Number).

Information about your PIN is provided with your Sky Viewing Card. You can change your PIN at any time. For more information about changing your PIN, refer to the 'Changing your PIN' section on page 34.

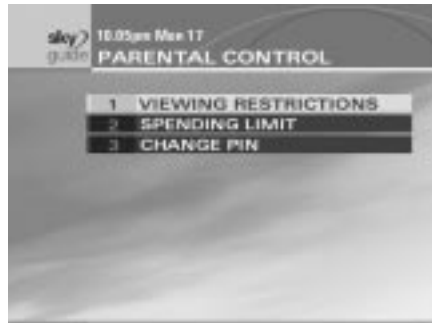
PARENTAL CONTROL lets you specify what categories of programme can be viewed and how much can be spent when ordering an individual programme before PIN is needed.

To display the PARENTAL CONTROL screen, press the **SERVICES** button. Highlight PARENTAL CONTROL, then press the **OK/select** button.

Note : *If your set is not connected to your telephone line, you will have to call your broadcaster's helpdesk to change your PIN or spending limits. For your broadcaster's helpdesk number, select the TELEPHONE NUMBERS option from the SERVICES screen.*

Using SkyGuide

Using Parental Control
To display the PARENTAL CONTROL screen, press the **SERVICES** button. Highlight PARENTAL CONTROL, then press the **OK/select** button. After you correctly enter your PIN, the PARENTAL CONTROL screen is shown.



Viewing restrictions
To see the VIEWING RESTRICTIONS screen, highlight VIEWING RESTRICTIONS on the PARENTAL CONTROL screen, then press the **OK/select** button.

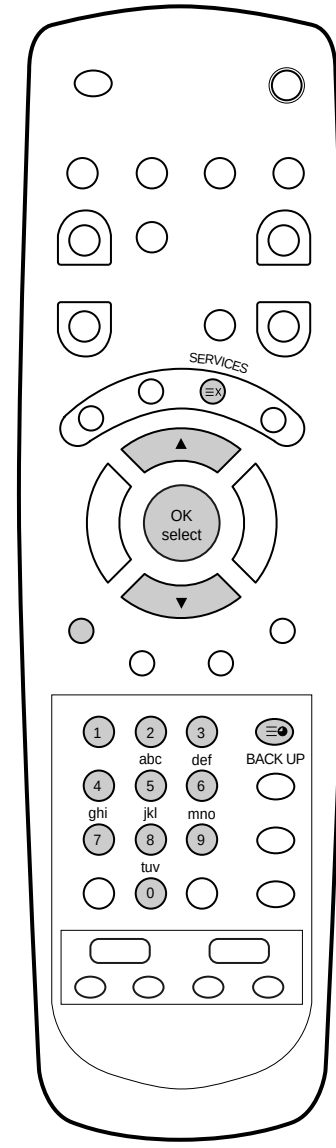
The VIEWING RESTRICTIONS screen lets you specify the programme categories that cannot be viewed unless your PIN is entered. VIEWING RESTRICTIONS can only be applied to programmes where the broadcaster provides category restriction information.

To restrict a category of programme, highlight it, then press the Restrict (RED) button. A cross marks a category you have restricted.

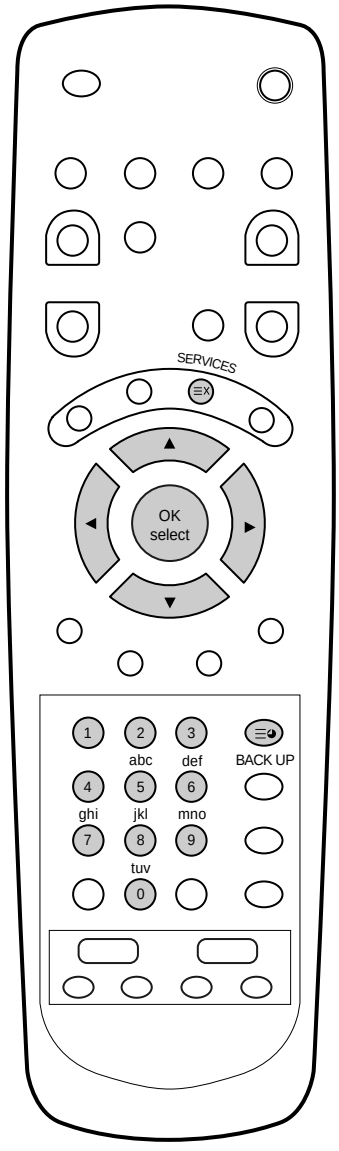
To remove a restriction, highlight the category, then press the Restrict (RED) button. The cross is removed, indicating that the restriction has been removed.

When you have finished setting or changing VIEWING RESTRICTIONS, press the **OK/select** button.

You may only watch programmes in restricted categories if you have first entered your PIN.



Using SkyGuide



Spending limits
To see the SPENDING LIMIT screen, highlight SPENDING LIMIT on the PARENTAL CONTROL screen, then press the **OK/select** button.

The SPENDING LIMIT screen lets you specify how much a programme can cost before your PIN is required to order it. For example, if you set the limit at ¡ 3.00, you can order a programme costing ¡ 3.00 (or less) without using your PIN, but you would need the PIN for a programme costing ¡ 3.01 or more.
To set a SPENDING LIMIT complete the following steps.

1. Highlight 'Spending Restriction' and use the ◄ / ► button to set it to ON.
2. Highlight 'PIN required for purchases over' and use the ◄ / ► button to set the maximum amount that a programme can cost before your PIN is needed.
3. Highlight 'Save New Settings' and then press the **OK/select** button.

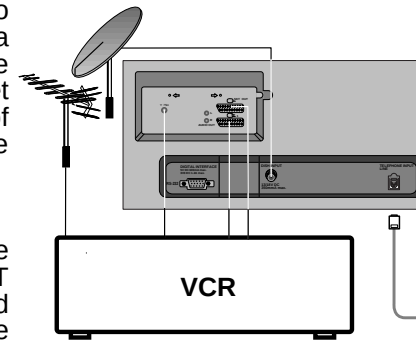
Note : *If you set the SPENDING LIMIT at ¡ 0.00 then the PIN will always be required when ordering a programme.*

Changing your PIN
To see the CHANGE PIN screen, highlight CHANGE PIN on the PARENTAL CONTROL screen, then press **OK/select** button.
The CHANGE PIN screen lets you change your PIN any time you wish. To change your PIN you must key in your new PIN twice.

Note : *Keep your PIN secret! Choose a PIN you can remember. If you forget your PIN, call your broadcaster's helpdesk. For your broadcaster's helpdesk number, select the TELEPHONE NUMBERS option from the SERVICES screen. If you start to change your PIN but then decide not to, press the* ***BACK UP*** *button. Your PIN will stay as it was.*

Extra information

Recording a satellite programme



To record a satellite programme your VCR must be connected to the Sky Out euro SCART on the back of the set. To playback a recording or a pre-recorded video tape, your VCR must be connected to the euro SCART socket (AV1) on the back of the set or a spare channel i.e. '0' on the set must be tuned to the output of your VCR. Stereo sound playback or recording is only possible using Scart or Scart to A/V leads and a stereo VCR.

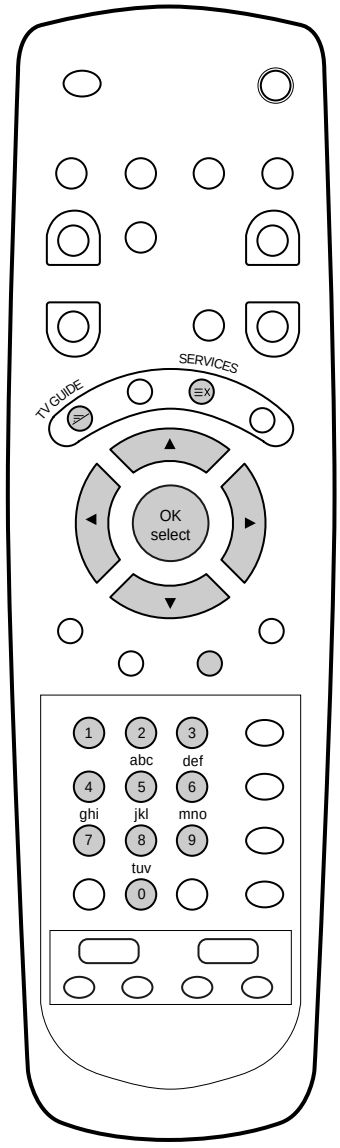
VCR with one or two SCART sockets
Use a three way SCART lead. Connect the plug labeled 'Out' to the Sky Out euro SCART and the plug labeled 'In' to the euro SCART socket (AV1) both on the back of the set, connect the plug labeled 'In/Out' to your VCR's Scart socket. To record a satellite programme select the SCART or auxiliary socket input on your VCR. To playback the recording or a pre-recorded tape press the **TV/AV** button on the TV remote control handset to select the euro SCART socket (AV1).

VCR with two SCART sockets
Use two Scart leads. Connect one lead to the Sky Out euro SCART on the back of the set and connect the other end to one of the VCR's Scart sockets. Connect second lead to the euro SCART socket (AV1) on the back of the set and the other end to the VCR's other Scart socket. To record the satellite programme select the VCR's Scart socket input which is connected to the Sky Out euro SCART on the set. To play back the recording or a pre-recorded tape press the **TV/AV** button on the TV remote control handset to select the euro SCART socket (AV1).

Note :

1. *It is only possible to record one satellite programme at a time, it is possible to view a terrestrial TV programme or playback a video tape on a second VCR connected to the euro SCART socket (AV1) while recording a satellite programme on the first VCR connected to the Sky Out euro SCART. Press the **TV/AV** button on the television remote control handset and select the required programme you wish to view.*
2. *To make a timer recording of a satellite channel:*
   a) *Set the VCR timer to make the recording from the SCART socket connected to the Sky Out euro SCART socket on the television (consult the VCR instruction manual for further information).*
   b) *Set the television to the desired satellite channel.*
   c) *Press the **TV off (O)** button on the television remote control handset. The TV screen will be switched off and the Power/Standby Indicator will turn from green to orange. Do not press the **POWER (⏻)** button on the TV remote control handset or switch the TV off at the main power button or disconnect from the mains supply.*
3. *Some programmes maybe copy protected and will not playback correctly if recorded. This does not indicate fault in the set or your VCR.*
4. *It is not possible to record or playback S-Video via either of the TV's SCART socket. S-Video playback is only possible through the front mounted S-AV and AV2 phono sockets.*

Extra information



Adding Other Channels

There is normally no need for you to tune in satellite channels because your set tunes in all the available channels for you, including new channels as they are added to the digital satellite TV service.

If you want to tune in other channels that are not listed in the SkyGuide, for example foreign language channels, complete the following steps:

1. Press the **SERVICES** button. The SERVICES screen appears on your TV.
2. Select the SYSTEM SETUP option. The SYSTEM SETUP screen appears on your TV.
3. Select the ADD CHANNELS option. The ADD CHANNELS screen appears on your TV.

4. Highlight 'Frequency' and use the NUMBER buttons to key in the transponder frequency.
5. Highlight 'Polarisation' and use the ◄ / ► button to set the polarisation for the transponder.
6. Highlight 'Symbol Rate' and use the ◄ / ► button to set the symbol rate for the transponder.
7. Highlight 'FEC' and use the ◄ / ► button to set the FEC setting for the transponder.
8. Highlight 'Find Channels' and press **OK/select** button. your set checks the settings you entered and looks for any new channels at those settings.
9. The NEW CHANNELS screen appears on your TV. This is a list of the channels that your set has found. You can select those you want to add to the Other Channels list.
10. To add a channel, highlight it, then press the Store Channel (YELLOW) button.
11. When you have finished adding Other Channels, press the **OK/select** button.

Note : *To watch any of the Other Channels you have added, press the* ***TV GUIDE*** *button and select the OTHER CHANNELS option. For further details on watching these channels refer to the 'Other Channels' section.*

Looking after your Sky Viewing Card

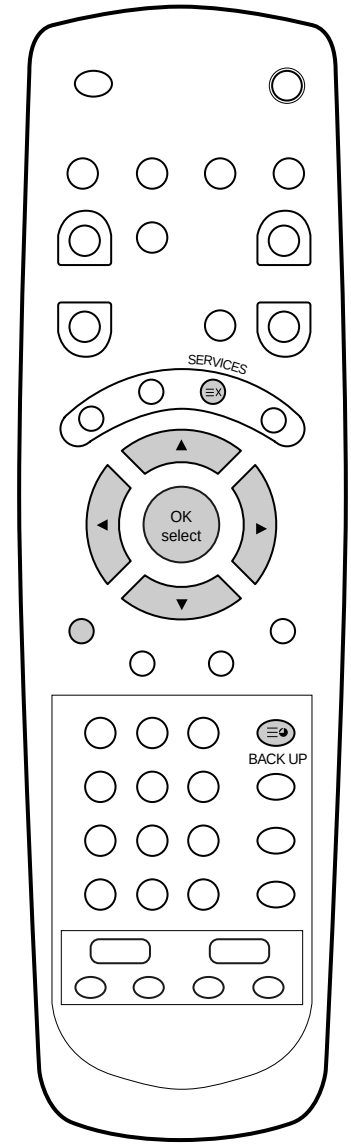
Do not remove and reinsert your Sky Viewing Card unnecessarily. There is no need to remove your Sky Viewing Card unless it is faulty or has expired.

Do not bend your Sky Viewing Card.
Keep your Sky Viewing Card away from heat and sunlight.
Keep your Sky Viewing Card dry. Never clean it with fluids - use a soft, dry tissue.
Keep your Sky Viewing Card away from small children and pets.

System setup

There should be no need for you to use the System setup screens as your set should have been set up when it was installed.

To use the SYSTEM SETUP screens, press the **SERVICES** button on your remote control handset. The SERVICES screen appears on your set. Highlight the SYSTEM SETUP option, then press the **OK/select** button.



Picture Settings
To see and change the picture format, video output type, contrast level and time out for the Search and Scan banner. Select 'Save New Settings' to confirm any changes or press the **BACK UP** button to cancel.

Sound Settings
To see and change the type of sound output, standard volume level and turn background music on or off. You can also turn the beep on or off. Select 'Save New Settings' to confirm any changes or press the **BACK UP** button to cancel.

Language and Subtitles
To see and change the preferred audio language and to turn subtitles on or off, where available. Some programmes may offer a choice of language and or subtitles. 'Save New Settings' to confirm any changes or press the **BACK UP** button to cancel.

Note : *You can easily reset the settings for your SkyGuide to the standard settings. Press the reset (RED) button when viewing the Picture Settings, Sound Settings and/or Language and Subtitles screens. Select 'Save New Settings' to confirm any changes you make or press the* ***BACK UP*** *button to cancel.*

Add Channels
Add Other Channels to your SkyGuide. For further details on adding channels, see the 'Adding Other Channels' section.

System Details
To see details of your set, including your model number, manufacturer and your Sky Viewing Card number.

Signal Test
To test the quality of the signal your set is receiving from the satellite via your satellite dish.

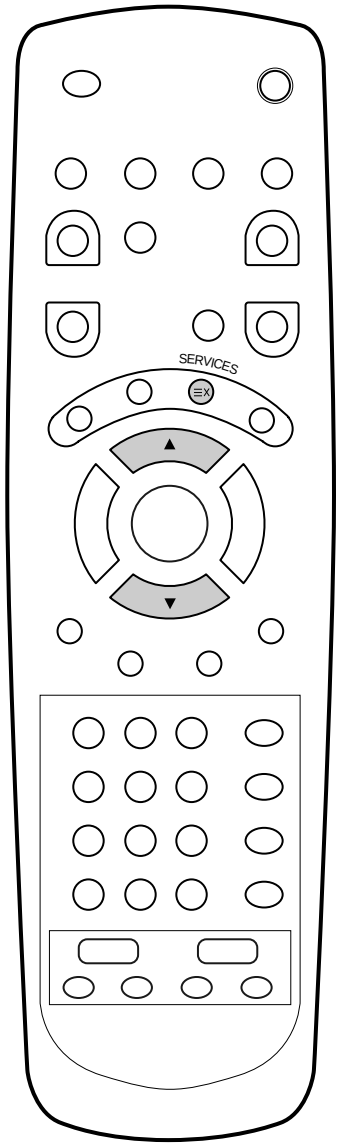
System Test
To check that your set is properly connected to your telephone line.

Note : *The System Details, Signal Test and System Test can be useful if you ever have to call for technical help or repairs to your set.*

Further help

If you need help or information about your set or VIDEO recorder, please refer to the instruction books that came with them.

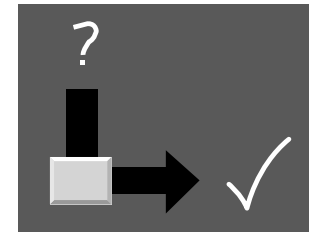
Note : *If you still have a problem, call your broadcasters helpdesk. For your broadcasters helpdesk number, select the Telephone Number option from the SERVICES screen. Make sure you have your Sky Viewing Card number, Set Make and Model number available before you call your broadcaster.*



Solving digibox problems

Problem	Possible reason	What to do now
You've forgotten your PIN.		Call your broadcaster's helpdesk. For your broadcaster's helpdesk number, select the Telephone Numbers option from the Services screen.
Nothing is happening.	Your set is not plugged into the mains. Your set is switched off (the standby (⏻) indicator is red).	Make sure the mains lead is properly plugged in and your set is switched on. Press the **SKY** button on your remote control handset.
Your remote control handset works with the TV but not with satellite.	Someone has pressed **TV/AV** on your remote control handset.	Press the **SKY** button on your remote control handset.
You can't find a channel you have previously watched.	The channel only broadcasts for part of the day.	Check the TV GUIDE listings to see when the channel is available.
Invalid card message.	Your cannot recognize your Sky Viewing Card.	Check it is your Sky Viewing Card. Check it is in the right way up. Check that your card is not damaged. If the problem continues, call your broadcaster's helpdesk. For your broadcaster's helpdesk number, select the Telephone Numbers option from the Services screen.
On-screen interference.	TV or VIDEO recorder not correctly tuned.	Check that your TV and VIDEO recorder are correctly tuned to your set. For further information, refer to your set and VCR instruction books. In some cases your set may need re-tuning. Call your broadcaster's helpdesk for further advice. For your broadcaster's helpdesk number, select the TELEPHONE NUMBERS option from the SERVICES screen.

Troubleshooting check list



Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

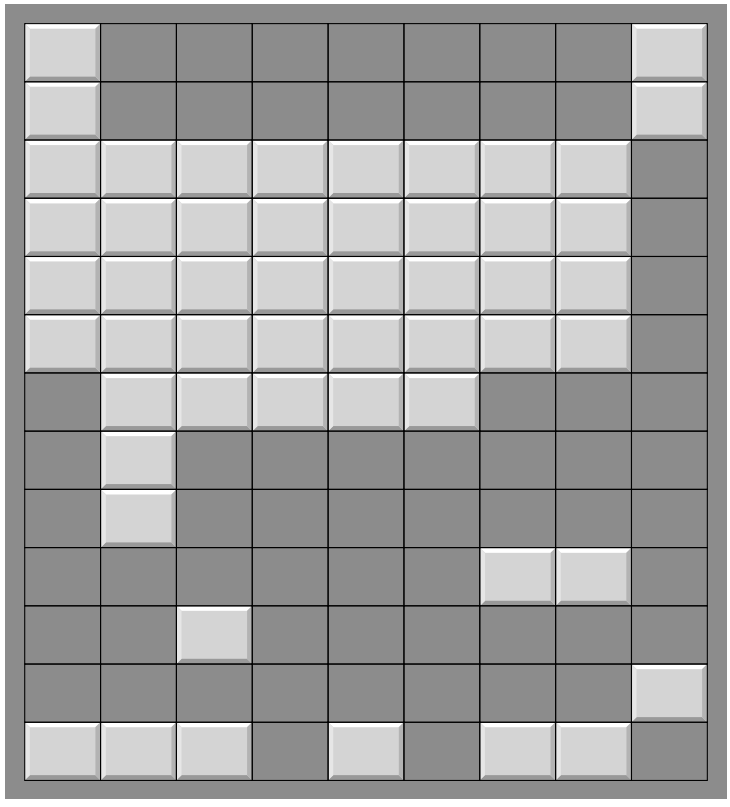
Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work



Check these items and try to adjust these

The mains plug-(plugged in and switched on)

Is the TV switched on

Try another channel (weak signal)

Check aerial (plugged into TV?)

Check aerial (broken lead?)

Check aerial

Check for local interference

Adjust contrast

Adjust brightness

Adjust colour

Adjust volume

Check the batteries in remote control

Check Audio/Video sockets (VCR only)

Specification

Due to continued product improvement, this specification may change without notice.

General

Operating voltage :	230 V AC ¡ 10 %; 50 Hz
Power consumption :	140 W
Weight :	40.6 Kg
Dimensions (W ¡ ¿D ¡ ¿H) :	824 mm ¡ ¿505 mm ¡ ¿545 mm
Picture tube size :	Visible 66 cm (measured diagonally)
Tuning :	UHF channels 21 to 69, CCIR PAL System I Cable channels S01 to S47

Front panel connectors

S-VIDEO IN :	Mini Din 4-pin
AV2 VIDEO IN :	Phono, composite video in
AV2 AUDIO IN :	Phono, left and right

Rear panel connectors

AERIAL IN :	IEC 169-2 female (75Ω coaxial)
SKY OUT SCART :	Audio left and right out; composite video out
TV EURO SCART 1 :	Audio left and right in/out; composite video in/out; RGB in
AUDIO OUT :	Phono, left and right
DISH INPUT :	F-type, female
TELEPHONE LINE :	RJ11

APPROVED for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.
NS/2900/3/Y/608223

RS-232 :	DB-9 female, data communications equipment (DCE) EIA/TIA-232-E ITU-TV.28 115.2 Kbit/s (max.)

Note : *If you connect earthed equipment to the RS-232 connector, you must use an approved screened cable.*

Digital interface :	General-purpose interface for future plug-in modules.

Satellite specification

System Setup screens (factory setting shown by*)

Picture settings :

Picture Format :	4:3; *16:9
Letterbox Mode :	On; *Off
SCART Control :	*On; Off
Video Output :	PAL (composite video); *RGB(red, green, blue)
Contrast :	Low; *Medium; High
Search & Scan Banner Time-out :	0 seconds; *5 seconds; 10 seconds

Sound settings :

Audio Output :	*Stereo; Mono
Volume :	Bargraph - *mid position
Background Music :	*On; Off
Beep :	*On; Off

Languages and Subtitles :

Favourite Language :	*English; French; German; Spanish; Scots; Welsh; Irish; Hindi; Punjabi
Subtitles :	On; *Off

Digital interface

On the back panel there is a plate which covers a general purpose interface. This is for future plug-in modules, which will have their own installation instructions. You must disconnect your Digital Satellite Colour Television from the mains before removing the plate or plugging in a module.

The plate shows the following warning : DISCONNECT RECEIVER FROM THE MAINS BEFORE REMOVING.
ACCURATELY FOLLOW THE MODULE INSTALLATION INSTRUCTIONS.

LG Electronics
GUARANTEE

- LG Electronics U.K. Ltd. will provide the following services in order to expedite this Guarantee.

1. All faulty components which fail due to defective manufacture will be replaced free of charge for a period of 12 months from the original date of purchase.

2. The dealer (or his service agent) who sold the product will be reimbursed for any labour provided in the repair of this LG equipment, for a period of 12 months from the original date of purchase. These claims must be made in accordance with the published scale of service charges and relevant claims procedure.

PLEASE NOTE:

A. The dealer may restrict the guarantee to the original purchaser.
B. The dealer is not obliged to carry out service under guarantee if unauthorized modifications are made to the apparatus, or if non standard components are used or if the serial number of the apparatus is removed, defaced, misused, or altered.
C. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased. The dealer may, before carrying out service under guarantee, require a receipted account as evidence of the date of purchase.
D. We respectfully point out that your dealer is not obligated to replace batteries if they become exhausted or worn in use.
E. Aerial alignment and consumer control adjustments are not covered by this guarantee.

This guarantee does not affect your statutory rights.

- REQUIREMENTS TO MAINTAIN WARRANTY COVERAGE:

RETAIN YOUR RECEIPT TO PROVE DATE OF PURCHASE. A COPY OF YOUR RECEIPT MUST BE SURRENDERED AT THE TIME GUARANTEE SERVICE IS PROVED.

- Product Registration Card: It is helpful to complete at least your name, address, phone, model & serial numbers and return it. This will enable LG to assist you in the future should you lose your receipt, your units be stolen, or should modifications be necessary.

- To obtain information or assistance: Call 0870 607 5544 Monday-Friday 9.00am-4.30pm.

MODEL NO.*	SERIAL NO.*	DATE OF PURCHASE *

* Please complete for your own record

In all cases of difficulty - consult your LG dealer from whom the product was purchased